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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/639,508 | 08/16/2000 | Richard S. Chomik | 460.1891USV | 3194 |
| 7590 | 02/23/2004 | | EXAMINER | |
| Charles N.J. Ruggiero Esq OHLANDT GREELEY RUGGIERO & PERLE LLP One Landmark Square Stamford, CT 06901-2682 | | | DEXTER, CLARK F | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 3724 | 29 |

DATE MAILED: 02/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------------|--------------------------------------|--------------------------------------|
| Office Action Summary | Application No. 09/639,508 | Applicant(s) Chomik et al. |
| | Examiner Clark F. Dexter | Art Unit 3724 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on Dec 18, 2003
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 14-40 is/are pending in the application.
- 4a) Of the above, claim(s) 17, 21-23, and 27-40 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 14-16 and 18-20 is/are rejected.
- 7) Claim(s) 24-26 is/are objected to.
- 8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some* c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- 4) Interview Summary (PTO-413) Paper No(s). 28
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

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DETAILED ACTION

1. The amendment filed December 18, 2003 has been entered. Upon careful reconsideration of the original disclosure, the re-application of a previous rejection under 35 USC 112, 1st paragraph is necessitated. The Examiner attempted to obviate this rejection in a telephone communication with applicant (see the attached interview summary) in addition to discussing possible language for amending the claims to place the application in condition for allowance. However, applicant's position is that no amendments will be made.

Claim Rejections - 35 USC § 112, 1st paragraph

2. Claims 14, 15 and 18-20 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The original disclosure does not provide support for perforations having at least two different diameters as set forth in lines 8-9 of claim 14. Rather, support is provided for perforations that are "preferably elongated slits 18" (see lines 4-10 on page 6 of the specification). Further, it is noted, as evidenced by the description on page 6, lines 4-24 for example, that perforations and depressions are two different features. There is simply no support for perforations in the form of slits, pin-holes, etc. having at least two different diameters.

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Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 14-16 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Greenwood et al., pn 5,499,729.

Allowable Subject Matter

5. Claims 18-20 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, first paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

6. Claims 24-26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

7. Applicant's arguments filed December 18, 2003 have been fully considered but they are not persuasive. Additionally, the declarations resubmitted on December 18, 2003 have been considered but are not persuasive with respect to the current limitations of the claims 14-16.

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It is respectfully submitted that applicant's application of "geometric principles" and the conclusion drawn therefrom is not understood. The claims simply set forth a radius that forms a concave curvature of the domed portion. Simply put, these radii are each perpendicular to a tangent of the concave curvature (e.g., the concave inner surface, the convex outer surface, etc.) at their point of intersection therewith. Clearly, Greenwood teaches such a relationship (see Fig. 17). The derivation of the additional line provided by applicant's in their exhibit to show a different radius is not understood.

Similarly, Greenwood clearly teaches that the perforations should be made at the apex of the depression (see Fig. 17). It is respectfully submitted that applicant's arguments with respect to this matter are not understood since the apex is clearly in the apex region (e.g., as opposed to the region at the opening of the depression).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clark Dexter whose telephone number is (703) 308-1404. The examiner's typical work schedule is Monday, Tuesday, Thursday and Friday, and he can be reached during normal business hours on these days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Allan Shoap, can be reached at (703)308-1082.

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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703)308-1148. The fax numbers Technology Center 3700 are: after-final responses - (703)872-9303; other formal/official papers - (703)872-9302. The fax number for informal/draft papers - (703)305-9835.



**Clark F. Dexter
Primary Examiner
Art Unit 3724**

cfd
February 20, 2004